

On page 8, in line 5, delete "an".

On page 9, in line 15, delete "a [...] in".

On page 10, in line 25, change "frequency" to --frequencies--.

On page 12, in line 9, change "frequency" to --frequencies--.

5 On page 14, in line 6, change "2" to --two--.

On page 18, after line 5, add the following new paragraph --

Although other modifications and changes may be suggested by those skilled in the art, it is the intention of the inventors to embody within the patent warranted hereon all changes and modifications as reasonably and properly come within the scope of their contribution to the art.--

**IN THE CLAIMS**

On substitute page 19, line 1, change "Patent Claims" to --We Claim:--.  
Amend claim 1 as follows:

- A<sup>3</sup>
- 15 1. (Amended) A method [Method] for [the] transmission of information in various carrier frequencies with a frequency hopping method, comprising the following steps:  
offering a table [(25)] with a plurality of N possible carrier frequency values  $f_x$  in addresses 1 through N of the table [(25)], [whereby] the N possible carrier frequency values being [are] arranged in n sub-groups;  
20 generating [(22)] a sequence of random values;  
reading out at least a part M of the N carrier frequency values  $f_x$  from the table

[(25)], [whereby] the carrier frequency values within each sub-group being  
[are] read out from the corresponding addresses on the basis of the  
generated sequence of random values and the sub-groups are read out in a  
discontinuous sequence, [whereby]  $M \leq N$  applies; and  
5 transmitting [(4, 6)] information in the corresponding carrier frequencies.

2.(Amended) A method [Method] according to claim 1, further comprising  
the step of: [characterized in that the generated] converting said sequence of  
random values [is converted] into corresponding address values in the respective  
sub-group with which the carrier frequency values are read from the respective  
10 sub-groups of the table [(25)].

3.(Amended) A method [Method] according to claim 1 [or 2], further  
comprising the steps of: [characterized in that]  
implementing the following steps [are implemented for the] to setup of a  
connection:  
15 sampling [(26)] a carrier frequency;  
deciding [(27)] whether a specific message was received on said [this]  
carrier frequency during a specific time span;  
when the deciding step [decision] is negative, selecting a new carrier  
frequency and sampling said [this] new carrier frequency;  
20 when the deciding step [decision] is positive, generating [(30)] the  
sequence of random values upon employment of the message.

4.(Amended) A method [Method] according to claim 1, further comprising  
the steps of: [2 or 3, characterized in that] the following steps [are implemented]  
for [the] synchronization:

A3  
cont.

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[illegible]

updating each sub-group of the table [(25) is updated (31)] from the k-j carrier frequency values before the reading out step [read-out] upon replacement of the carrier frequency values that correspond to disturbed carrier frequencies.

7.(Amended) An apparatus [Apparatus] for [the] transmission of information in various carrier frequencies with a frequency hopping method, comprising:  
[a means (23) for offering] a table [(25)] with a plurality of N possible carrier

frequency value  $f_x$  in addresses 1 through N of the table [(25)], [whereby] the N possible carrier frequency values being [are] arranged in n sub-groups;

A3 cont.  
5 a random value generator [means (22)] for generating a sequence of random values;

10 a means [(23)] for reading out at least a part M of the N carrier frequency values  $f_x$  from the table [(25)], [whereby] the carrier frequency values within each sub-group being [are] read out from the corresponding addresses on the basis of the generated sequence of random values and the sub-groups are read out in a discontinuous sequence, [whereby]  $M \leq N$  applies; and  
a means [(4, 6)] for transmitting information in the corresponding carrier frequencies.

8.(Amended) An apparatus [Apparatus] according to claim 7, further comprising: [characterized by]

15 a means for converting the generated sequence of random values into address values corresponding to the respective sub-group with which the carrier frequency values are read from the respective sub-groups of the table [(25)].

20 9.(Amended) An apparatus [Apparatus] according to claim 7 [or 8], further comprising: [characterized in that]

a means for [the] setup of a connection including [is provided that comprises:]  
means [(26)] for sampling a carrier frequency;  
means [(27)] for deciding whether a specific message was received on [this] said carrier frequency during a specific time span, configured  
25 such that, when the decision is negative, a new carrier frequency is

selected and said [this] new carrier frequency is sampled, and, when the decision is positive, the sequence of random values is generated upon employment of the message.

13. *Concl.*

5 10.(Amended) An apparatus [Apparatus] according to claim 7, further comprising: [8 or 9, characterized in that]  
a means for synchronization including: [is provided that comprises:]  
means [(26)] for sampling a carrier frequency;  
means [(27)] for deciding whether a specific message was received on said  
[this] carrier frequency during a specific time span, configured  
10 such that, when the decision is negative, a new carrier frequency is selected and said [this] new carrier frequency is sampled, and, when the decision is positive, the sequence of random values is generated upon employment of the message.

15 11.(Amended) An apparatus [Apparatus] according to claim [one of the claims] 7 wherein said [through 10, characterized in that the] means [(31)] for readout reads a part j of k possible carrier frequency values from each sub-group of the table, [whereby] the remaining k-j carrier frequency values in the respective sub-group being [are] employed for replacing disturbed carrier frequency values of the j carrier frequency values, [whereby]  $k \times n = N$  and  $j \times n = M$  apply.

20 12.(Amended) An apparatus [Apparatus] according to claim 11, further comprising: [characterized by]  
a means [(32)] for updating that updates each sub-group of the table from the k-j carrier frequency values before [the] readout upon replacement of the carrier frequency values that correspond to disturbed carrier frequencies.

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